

€ TRAINING

Industrial Hygiene



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Introduction:

This program covers all the key concepts of industrial hygiene, including anticipating, recognizing, evaluating, communicating, and control of workplace conditions that have the potential to cause occupational disease and illness. The program is aimed at individuals and managers who wish to learn more about or enhance their knowledge, industrial occupational hygiene.

Course Objectives:

At the end of this course the participants will be able to:

- Understand and apply the concepts of industrial hygiene
- Perform Hazard identification tasks
- Obtain an in-depth knowledge of the industrial hygiene range of topics
- Learn about the different types of occupational diseases and illness conditions
- Understand how to anticipate, recognize, evaluate, communicate, and control workplace conditions

Targeted Audience:

- The course is designed for everyone involved in safety, health, environmental, and management personnel who have industrial hygiene responsibilities, and for all personnel working in the catering field, offices, etc.

Course Outlines:

Unit 1: Introduction to Industrial Hygiene:

- What is industrial hygiene?
- Industrial hygiene management systems
- Occupational exposure standards
- Overview of the types of health risks
- Occupational diseases and illness conditions

Unit 2: Understanding Health Risks:

- The human system skeleton, muscles, nerves, circulation, respiratory, skin, sense organs, etc
- Methods of identifying health risks
- Biological risks
- Chemical risks
- Physical risks
- Radiation risks ionizing and non-ionizing

Unit 3: Industrial Toxicology:

- Exposure routes of hazardous substances
- Health effects and classification of hazardous substances
- Toxic, Irritant, Asphyxiant, and Anesthetic

- Hepatotoxic agents
- Nephrotoxic agents
- Neurotoxic agents
- Blood damaging agents
- Lung damaging agents

Unit 4: Measuring and Evaluating Health Risks:

- Recognition of potential health risks
- A sampling of gases, vapors, and particulates
- Walk-through surveys
- Health surveillance programs
- Health risk assessment reviews
- Methods of controlling health risks
- Determining health risk control methods

Unit 5: Monitoring & Recording Health Risk Controls:

- Biological monitoring and medical surveillance
- Hearing conservation programs
- Occupational diseases and illness condition prevention programs
- Learning from incidents of ill health
- Step-by-step guide for managing health risks